

ABSTRACT

Disclosed is a battery which is improved in cyclic characteristics at the same time as the battery capacity is increased. On an anode substrate 8, there is formed, by a thin film forming technique, a layer of the active material 10, containing a metal that may be alloyed with lithium as an anode active material. The battery includes an anode 5 containing one or more of a metal not alloyed with lithium, an alloy or a compound containing the metal, and a carbonaceous material capable of doping/undoping lithium ions, as well as the metal that may be alloyed with lithium, a cathode 6 and a non-aqueous liquid electrolyte 4. The metal contained in the anode 5 as an anode active material and which may be alloyed with lithium acts to raise the battery capacity, while the metal not alloyed with lithium, alloys or compounds of this metal or the carbonaceous material suppresses deterioration of the anode 5 attendant on the charging/discharging to improve cyclic characteristics.